



**London
South Bank**
University

EST 1892

Building Services Engineering Technician

www.lsbu.ac.uk | apprenticeships@lsbu.ac.uk

(Note these standards are to be approved by Government.
If they are approved before September 2017, LSBU will
provide them from September 2017)

Apprenticeship

Level 4

Levy Funded

Job role

The occupation covered by this standard is Building Services Engineering Technician and typical job titles can include: Assistant Project Engineer, Assistant Engineer or Building Services Site Technician. In the case of SME building services engineering specialist contractors the roles are likely to include Assistant Project Managers, Project Managers and Site Managers. They are associated with the supervision of the installation' commissioning or servicing of environmental technologies on construction projects and are based on construction sites with occasional time in offices.

Duration

Academic Programme - 2 years. 3-6 Months for End-Point Assessment.

Academic award

Building Services Engineering HNC.

Programme description

This course is suitable for those working on-site or in office within Construction companies. The course covers modules including;

Year 1

- Engineering mathematics
- Electrical principles

- Thermofluids principles
- Construction practice
- Introduction to building services engineering
- Foundation engineering mathematics

Year 2

- Internal environment and comfort
- Heating and ventilation systems
- Thermofluids engineering
- Refrigeration, air-conditioning and heat pump engineering
- Design applications
- Electrical services in buildings

The HNC element is 2 years part time with apprentices attending once a week for two 15 week semesters.

Employer commitments

All apprentices must have a contract of employment for the duration of their apprenticeship and they should be contacted to work a minimum of 30hrs per week including time spent in University and must be paid at or above the apprenticeship minimum wage.

Employers must provide evidence (employment contract & Job Description) that their apprentices' job role covers the approved occupation set out in the standard. In addition the apprentices' day-to-day work needs to encompass the core knowledge, skills and behaviours set out in the standard.

Employers will also need to ensure that they are in a position to support and mentor their apprentice through their studies to the gateway to their end-point assessment.

Once this standard assessment plan is approved LSBU will provide further details of the employer commitments.

Entry requirements

For September 2017 entry the number of UCAS tariff points that qualifications are worth is changing. Visit UCAS for guidance on the 2017 tariff.

- A Level EEE or;
- BTEC National Diploma MPP or;
- Access to HE qualifications with 45 Passes supported by substantial relevant work experience or;
- Equivalent level 3 qualifications worth 64 UCAS points supported by substantial relevant work experience
- Level 3 qualifications must include Maths or Physics
- Applicants must hold 5 GCSEs A-C including Maths and English or equivalent (reformed GCSEs grade 4 or above).
- We welcome qualifications from around the world. English language qualifications for international students: IELTS score of 6.0 or Cambridge Proficiency or Advanced Grade C.

Assessment

Assessment of the academic element of this apprenticeship will consist of course work, exams and timed assessments. There will be formal lectures, study guides, course notes, directed reading, class tutorials, assignments and small-group projects.

End point assessment

The assessment plan for this standard has yet to be approved. We anticipate that the EPA will include professional registration with an appropriate professional body.

Cost

The cost will be to the funding cap which is expected to be £15,000 (TBC) which will be broken down as follows:

Levy Payers = £15,000, charged monthly via digital apprenticeship service

Non-Levy Payers = £1,500, (Government funds 90% the employer funds 10%).

Employers with less than 50 staff sending an apprentice aged 16-18 will have 100% of the training costs paid via the levy.

All employers that employ an apprentice aged 16-18 will receive a £1,000 incentive from government.

Enrolment date

September 2017.

Further information

Please contact the LSBU Apprenticeships Team

apprenticeships@lsbu.ac.uk

020 7815 7324

[Apprenticeship standard](#) *(the Assessment Plan is awaiting government approval)*

[Apprenticeship Employment Guidelines](#)

[Apprenticeship Evidence Pack Guidance](#)